

HANDHELD BROWSER TRANSCODING

ABSTRACT OF THE INVENTION

5 A hand-held computer device with integral web page transcoding. A processor, forming a part of the handheld computer has a display coupled to the processor forming a part of the handheld computer, with the display having limited resolution of MxN pixels. A browser program running on the processor facilitates retrieving and viewing of a web page having size greater than MxN on the display. This is accomplished in a
10 browser having an associated browser plug-in that transcodes the web page to a format adapted to the display. The transcoding is carried out by generating a menu of frames from the web page to permit a user to select a desired frame for display by selecting frame titles as menu selections; compressing an image to a size suitable for display on the MxN resolution display, wherein the image has size and pixel depth, by reducing the image's size and reducing the image's pixel depth; and converting multiple columns into a single column for display on the MxN resolution display by removing redundant table definition tags.